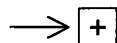


Please type a plus sign (+) inside this box



PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration
Submitted With Initial Filing
OR
X Declaration
Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number PIC-0126

First Named Inventor Sze Tan

COMPLETE IF KNOWN

Application Number 10/803,827

Filing Date March 18, 2004

Group Art Unit unk

Examiner Name unk

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

"WAVELENGTH CONTROL FOR CAVITY RINGDOWN SPECTROMETER"

the specification of which (Title of the Invention)

is attached hereto

OR

was filed on 03/18/2004

as United States Application Number or PCT International

Application Number

10/803,827

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 3]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label OR ☒ Correspondence address below

Name Herbert Burkard

Address 480 Oakmead Parkway

Address

City Sunnyvale **State** California **ZIP** 94085

Country U.S.A. **Telephone** (408) 962-3920 **Fax** (408) 962-3203

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name SZE **Family Name** TAN or Surname

Inventor's Signature *Tan Sze Meng* **Date** 12/2/2004

Residence: City Sunnyvale **State** CA **Country** USA **Citizenship** NEW ZELAND

Mailing Address 160 Locksunart Way #20

Mailing Address

City Sunnyvale **State** CA **ZIP** 94087 **Country** USA

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name BERNARD **Family Name** FIDRIC or Surname

Inventor's Signature *B. Fidric* **Date** 12/03/04

Residence: City Cupertino **State** CA **Country** USA **Citizenship** US

Mailing Address 11713 Westshore Court

Mailing Address

City Cupertino **State** CA **ZIP** 95014 **Country** USA

☒ Additional Inventors are being named on the one supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box ➔ +

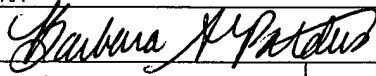
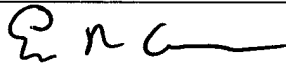
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**

PAGE 3 OF 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
BARBARA		PALDUS	
		Date 12/1/04	
Residence: City	PORTOLA VALLEY	State	CA
		Country	USA
		Citizenship	
		CANADIAN	
Mailing Address 190 GOLDEN OAKS DRIVE			
Mailing Address			
City	PORTOLA VALLEY	State	CA
		ZIP	94028
		Country	
		USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
ERIC		CROSSON	
Inventor's Signature 		Date 12/1/04	
Residence: City	Sunnyvale	State	CA
		Country	USA
		Citizenship	
		US	
Mailing Address 1235 Wildwood Ave #43			
Mailing Address			
City	Sunnyvale	State	CA
		ZIP	94086
		Country	
		USA	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
		Country	
		Citizenship	
Mailing Address			
Mailing Address			
		State	
		ZIP	

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

DEC 06 2004

PTO/SB/81 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TAN, ET AL.

Application Number 10/.803,827

Filing Date MARCH 18,2004

First Named Inventor SZE TAN

Group Art Unit UNK

Examiner Name UNK

Attorney Docket Number PIC-O126

I hereby appoint:

☐ Practitioners at Customer Number

OR

☒ Practitioner(s) named below:

Place Customer
Number Bar Code
Label here

Name	Registration Number
Herbert Burkard	24,500

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☒ Firm or
Individual Name

Herbert Burkard, Reg. No. 24,500

Address Picarro, Inc.

Address 480 Oakmead Parkway

City Sunnyvale **State** California **ZIP** 94085

Country U.S.A.

Telephone (408) 962-3920 **Fax** (408) 962-3203

I am the:


☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name ERIC CROSSON

Signature 

Date 12/1/04

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 4 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → +

PTO/SB/81 (10-00)
Approved for use through 10/31/2002. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TAN, ET AL.	Application Number	10/803,827
	Filing Date	MARCH 18,2004
	First Named Inventor	SZE TAN
	Group Art Unit	UNK
	Examiner Name	UNK
	Attorney Docket Number	PIC-O126

I hereby appoint:

☐ Practitioners at Customer Number
OR

Place Customer
Number Bar Code
Label here

☒ Practitioner(s) named below:

Name	Registration Number
Herbert Burkard	24,500

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Herbert Burkard, Reg. No. 24,500				
Address	Picarro, Inc.				
Address	480 Oakmead Parkway				
City	Sunnyvale	State	California	ZIP	94085
Country	U.S.A.				
Telephone	(408) 962-3920	Fax	(408) 962-3203		

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

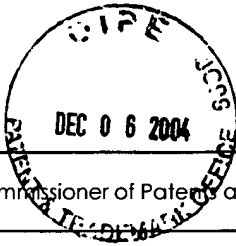
SIGNATURE of Applicant or Assignee of Record

Name	BARBARA PALDUS
Signature	
Date	12/1/04

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 4 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

FORM PTO-1595
1-31-92

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office**PATENTS ONLY**To
the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.1. Name of conveying parties: Execution Date
BARBARA PALDUS
ERIC CROSSON12/1/04
12/1/04

2. Name and address of receiving party(ies):

Name: PICARRO, INC.

Address: 480 Oakmead Parkway
Sunnyvale, California 94085-4708

Additional name(s) of conveying parties attached? Yes No X

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date:

4. Application number(s) or patent number(s): New Application S.N. 10/803,827, filed 03/18/04

If this document is being filed together with a new application, the execution date of the application is: As above indicated

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Herbert Burkard
480 Oakmead Parkway,
Sunnyvale, CA. 94085-47086. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):\$ 40.00Enclosed
X Authorized to be charged to deposit account8. Deposit account number:
503253**DO NOT USE THIS SPACE**

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Herbert Burkard

Name of Person Signing

Signature

6/Dec/2004

Date

Total number of pages including cover sheet: 4

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS, That Whereas We, SZE TAN, BERNARD FIDRIC, BARBARA PALDUS, and ERIC CROSSON have invented certain new and useful improvements in “WAVELENGTH CONTROL FOR CAVITY RINGDOWN SPECTROMETER” for which an application for Letters Patent of the United States of America has been executed; and

WHEREAS **PICARRO, INC.**, a corporation duly organized and existing under the laws of Delaware, and having an address at 480 Oakmead Parkway, Sunnyvale, California 94085, is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the United States;

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations to us by **PICARRO, INC.**, the receipt and sufficiency whereof are hereby acknowledged, we do hereby sell, assign, transfer and set over **PICARRO, INC.**, its successors and assigns, the entire right, title and interest in, to and under the said application for United States Letters Patent, including all priority rights arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for the said inventions, or any of them.

TO HAVE, HOLD and ENJOY the said inventions, the said Application, and the said Letters Patent to said **PICARRO, INC.**, its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

And we do hereby authorize and request the Commissioner of Patents of the United States to issue any United States Letters Patent which may be granted on the said application, or any divisional, reissue or continuation applications, or for the said inventions, or any of them, to said **PICARRO, INC.**, its successors and assigns, as assignees of the entire right, title and interest therein and thereto.

And we do hereby, for ourselves and for our legal representatives, covenant and agree with **PICARRO, INC.**, its successors and assigns, that we have granted to others no license to

make, use or sell any of the said inventions, that our right, title and interest in the said inventions has not been encumbered, that we have good right and title to sell and assign the same, and that we will not execute any instrument in conflict herewith.

And we do hereby, for ourselves and for our legal representatives, further covenant and agree with **PICARRO, INC.**, its successors and assigns, that upon request we will, and they shall, execute divisional, reissue or continuation applications, amended specifications, or rightful oaths; communicate to **PICARRO, INC.**, its successors and assigns, any facts known to us relating to the said inventions or the history thereof; execute preliminary statements and testify in any interference proceedings; execute and deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for **PICARRO, INC.**, may be necessary or convenient to secure the grant of Letters Patent to **PICARRO, INC.**, its successors and assigns, or its nominees, in the United States and in all other countries where **PICARRO, INC.**, may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for **PICARRO, INC.**, and to vest and confirm in **PICARRO, INC.**, its successors and assigns, or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than now paid but at the expense of **PICARRO, INC.**, its successors or assigns.

The undersigned hereby grants the firm of Law Office of Herbert Burkard of 480 Oakmead Parkway, Sunnyvale, California 94085 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, we have hereunto set our hand and seal on the date indicated below:

Date: _____

SZE TAN

Date: _____

BERNARD FIDRIC

Date: 12/1/04



BARBARA PALDUS

DATE 12/1/04



ERIC CROSSON

Herbert Burkard
Picarro, Inc.
480 Oakmead Parkway
Sunnyvale, California 94085